

WHAT IS CLAIMED IS:

1. A surface acoustic wave filter comprising:
a piezoelectric substrate having an input electrode pad and an output electrode pad;
a plurality of serial surface acoustic wave resonators and parallel surface acoustic wave resonators arranged in a ladder configuration between said input electrode pad and said output electrode pad on said piezoelectric substrate; and
a grounded electrode pattern provided on said piezoelectric substrate so as to surround at least one of said input electrode pad and said output electrode pad.
2. A surface acoustic wave filter according to Claim 1, wherein said grounded electrode pattern is arranged so as to surround both of said input electrode pad and said output electrode pad.
3. A surface acoustic wave filter according to Claim 1, wherein a portion of said grounded electrode pattern is disposed between said input electrode pad and said output electrode pad.
4. A surface acoustic wave filter according to Claim 1, wherein said grounded electrode pattern is arranged along an edge of said piezoelectric substrate.
5. A surface acoustic wave filter according to Claim 1, wherein said serial surface acoustic wave resonators are arranged so as to be generally linearly arrayed.
6. A surface acoustic wave filter according to Claim 1, wherein said serial surface acoustic wave resonators and said parallel surface acoustic wave resonators are arranged in a T-shaped configuration.
7. A surface acoustic wave filter according to Claim 1, wherein said piezoelectric substrate is a 36°-Y-cut-X-transmission LiTaO₃ substrate.
8. A surface acoustic wave filter according to Claim 1, wherein said grounded electrode pattern is connected to a grounded electrode pad on said piezoelectric substrate.
9. A surface acoustic wave filter according to Claim 1, said plurality of serial surface acoustic wave resonators and parallel surface acoustic wave resonators include

three serial surface acoustic wave resonators and two parallel surface acoustic wave resonators.

10. A communication device comprising the surface acoustic wave filter according to Claim 1.

11. A surface acoustic wave filter comprising:
a piezoelectric substrate having an input electrode pad and an output electrode pad;
a plurality of serial surface acoustic wave resonators and parallel surface acoustic wave resonators arranged in a ladder configuration between said input electrode pad and said output electrode pad on said piezoelectric substrate; and
a grounded electrode pattern provided between at least one of said input electrode pad and said output electrode pad and an edge of said piezoelectric substrate.

12. A surface acoustic wave filter according to Claim 11, wherein said grounded electrode pattern is arranged on said piezoelectric substrate so as to surround at least one of said input electrode pad and said output electrode pad.

13. A surface acoustic wave filter according to Claim 11, wherein said grounded electrode pattern is arranged so as to surround both of said input electrode pad and said output electrode pad.

14. A surface acoustic wave filter according to Claim 11, wherein a portion of said grounded electrode pattern is disposed between said input electrode pad and said output electrode pad.

15. A surface acoustic wave filter according to Claim 11, wherein said serial surface acoustic wave resonators are arranged so as to be generally linearly arrayed.

16. A surface acoustic wave filter according to Claim 11, wherein said serial surface acoustic wave resonators and said parallel surface acoustic wave resonators are arranged in a T-shaped configuration.

17. A surface acoustic wave filter according to Claim 11, wherein said piezoelectric substrate is a 36°-Y-cut-X-transmission LiTaO₃ substrate.

18. A surface acoustic wave filter according to Claim 11, wherein said grounded electrode pattern is connected to a grounded electrode pad on said piezoelectric substrate.

19. A surface acoustic wave filter according to Claim 11, said plurality of serial surface acoustic wave resonators and parallel surface acoustic wave resonators include three serial surface acoustic wave resonators and two parallel surface acoustic wave resonators.

20. A communication device comprising the surface acoustic wave filter according to Claim 11.